Catalog No. LF-MA0057

MONOCLONAL ANTIBODY

Anti-Selenoprotein M (4C2)

Background : A growing body of evidence relates selenium to cancer prevention, immune system function, male fertility, cardiovascular disorder, control of the aging and neurodiseases process. Selenoproteins are thought to be responsible for the majority of these biomedical effects of selenium. Approximately 17 selenoproteins have been identified until now. Although the function of many selenoproteins are unknown, some play important roles in anti-oxidant mechanisms. It has been also implicated in the regulation of signaling pathways through catalysis of thiol/ disulfide exchange.
Selenoprotein M(SelM) is especially expressed in a mammalian brain and is localized to the perinuclear structures (Golgi/ER). The roles of selM have not been clearly identified until present time.

Immunogen : Recombinant human protein purified from *E.coli*

Host : Mouse

Clone number : 4C2

Isotype : IgG1, k

Size : 100ul

Composition : PBS containing 50% glycerol

Storage : Store for 1 year at -20°C from date of shipment

Applications :
ELISA
Western Blotting (1:2000)
Immunoprecipitation (1-2ul/400ul lysates)

Background Reference :

1) Korotkov, K.V. et al (2002) Mol.Cell.Biol. 22(5) 1402-1411
2) Chen, J. and Berry M.J. (2003) J.Neurochem. 86, 1-12
3) Ganther, H.E. (1999) Carcinogenesis 20(9) 1657-1666

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